

## Processing your request...

## Search History

**Database Details**

Set	Term Searched	Items	
S1	(EUKARYOT? OR MAMMALI?)(5N)(PLASMID? OR EXPRESSION OR VECTOR? OR PCMV?)(30N)(SALMONELLA OR TYPHI?)	2890	<b>Display</b>
S2	RD (unique items)	2291	<b>Display</b>
S3	S2 AND (T (W)CELL? OR CD4 OR CD8)	733	<b>Display</b>
S4	S3 AND TYPHIMURIUM	504	<b>Display</b>
S5	S4 AND (MAMMMALI? OR EUKARYOT?)(2W)VECTOR?	181	<b>Display</b>
S6	S5 AND (LACZ OR GALACTOS? OR ACTA OR HLY?)	168	<b>Display</b>

Format

Free

Number of  
Records

10

Show Database Details for:

5: BIOSIS Previews® (1969-present)

**Bluesheet****Rates****Fields****Formats****Sorts****Limits****Tags**

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Your select statement is 'S (SALMONELLA OR TYPHI?)(30N)PCMV?' in databases  
 ALLMEDPH.

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 **New Search**  
☐ **Sort Results**

<u>File</u>	<u>Database Name</u>	<u>Hits</u>
<input type="checkbox"/> 5:	<u>BIOSIS Previews® (1969-present)</u>	7
<input type="checkbox"/> 16:	<u>Gale Group PROMT® (1990 - present)</u>	1
<input type="checkbox"/> 34:	<u>SciSearch® - a Cited Reference Science Database - 1990-</u>	7
<input type="checkbox"/> 71:	<u>Elsevier Biobase</u>	5
<input type="checkbox"/> 73:	<u>EMBASE® (1974-present)</u>	5
<input type="checkbox"/> 135:	<u>NewsRX Weekly Reports</u>	2
<input type="checkbox"/> 144:	<u>PASCAL</u>	3
<input type="checkbox"/> 155:	<u>MEDLINE® (1966-present)</u>	5
<input type="checkbox"/> 156:	<u>TOXFILE</u>	1
<input type="checkbox"/> 159:	<u>CANCERLIT®</u>	3
<input type="checkbox"/> 340:	<u>CLAIMS®/U.S. Patents</u>	1
<input type="checkbox"/> 348:	<u>European Patents Fulltext</u>	1
<input type="checkbox"/> 349:	<u>WIPO/PCT Patents Fulltext</u>	10
<input type="checkbox"/> 351:	<u>Derwent World Patents Index®</u>	1
<input type="checkbox"/> 357:	<u>Derwent Biotechnology Resource</u>	8
<input type="checkbox"/> 399:	<u>CA SEARCH® - Chemical Abstracts® (1967-present)</u>	1
<input type="checkbox"/> 440:	<u>Current Contents Search®</u>	6
<input type="checkbox"/> 636:	<u>Gale Group Newsletter Database(TM)</u>	1
<input type="checkbox"/> 654:	<u>U.S. Patents Fulltext (1976-present)</u>	5

There are **19** databases matching your statement 'S (SALMONELLA OR  
 TYPHI?)(30N)PCMV?'.

Processing your request...  
Dialog Index Results

Your select statement is 'S (EUKARYOT? OR MAMMALI?)(5N)(PLASMID? OR  
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<u>File</u>	<u>Database Name</u>	<u>Hits</u>
<input type="checkbox"/> 5:	<u>BIOSIS Previews® (1969-present)</u>	96
<input type="checkbox"/> 6:	<u>NTIS - National Technical Information Service</u>	2
<input type="checkbox"/> 8:	<u>Ei Compendex®</u>	4
<input type="checkbox"/> 9:	<u>Business &amp; Industry(TM)</u>	1
<input type="checkbox"/> 10:	<u>AGRICOLA</u>	3
<input type="checkbox"/> 16:	<u>Gale Group PROMT® (1990 - present)</u>	4
<input type="checkbox"/> 20:	<u>Dialog Global Reporter</u>	1
<input type="checkbox"/> 34:	<u>SciSearch® - a Cited Reference Science Database - 1990-</u>	145
<input type="checkbox"/> 35:	<u>Dissertation Abstracts Online</u>	3
<input type="checkbox"/> 50:	<u>CAB ABSTRACTS</u>	6
<input type="checkbox"/> 51:	<u>Food Science and Technology Abstracts</u>	8
<input type="checkbox"/> 65:	<u>Inside Conferences</u>	3
<input type="checkbox"/> 71:	<u>Elsevier Biobase</u>	68
<input type="checkbox"/> 73:	<u>EMBASE® (1974-present)</u>	86
<input type="checkbox"/> 88:	<u>Gale Group Business A.R.T.S. (SM)</u>	14
<input type="checkbox"/> 98:	<u>General Science Abstracts/Fulltext</u>	15
<input type="checkbox"/> 103:	<u>Energy Science and Technology</u>	1
<input type="checkbox"/> 135:	<u>NewsRX Weekly Reports</u>	7
<input type="checkbox"/> 143:	<u>Wilson Biological &amp; Agricultural Index</u>	3
<input type="checkbox"/> 144:	<u>PASCAL</u>	56
<input type="checkbox"/> 148:	<u>Gale Group Trade &amp; Industry Database(TM)</u>	2
<input type="checkbox"/> 149:	<u>Gale Group Health &amp; Wellness Database(SM)</u>	2

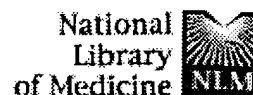
<input type="checkbox"/> 155:	<u>MEDLINE® (1966-present)</u>	78
<input type="checkbox"/> 156:	<u>TOXFILE</u>	24
<input type="checkbox"/> 159:	<u>CANCERLIT®</u>	15
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<input type="checkbox"/> 172:	<u>EMBASE® Alert</u>	1
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<input type="checkbox"/> 307:	<u>Dictionary of Substances and Their Effects (DOSE)</u>	1
<input type="checkbox"/> 315:	<u>Chemical Engineering and Biotechnology Abstracts</u>	4
<input type="checkbox"/> 340:	<u>CLAIMS®/U.S. Patents</u>	10
<input type="checkbox"/> 348:	<u>European Patents Fulltext</u>	76
<input type="checkbox"/> 349:	<u>WIPO/PCT Patents Fulltext</u>	835
<input type="checkbox"/> 351:	<u>Derwent World Patents Index®</u>	17
<input type="checkbox"/> 357:	<u>Derwent Biotechnology Resource</u>	38
<input type="checkbox"/> 358:	<u>Current Biotechnology Abstracts</u>	3
<input type="checkbox"/> 377:	<u>Derwent Drug File (1983-present)</u>	1
<input type="checkbox"/> 399:	<u>CA SEARCH® - Chemical Abstracts® (1967-present)</u>	33
<input type="checkbox"/> 434:	<u>SciSearch® - a Cited Reference Science Database - 1974-1989</u>	77
<input type="checkbox"/> 440:	<u>Current Contents Search®</u>	143
<input type="checkbox"/> 441:	<u>ESPICOM Pharmaceutical &amp; Medical Device News</u>	1
<input type="checkbox"/> 444:	<u>New England Journal of Medicine</u>	1
<input type="checkbox"/> 445:	<u>IMS R&amp;D Focus</u>	2
<input type="checkbox"/> 484:	<u>Periodical Abstracts PlusText(TM)</u>	10
<input type="checkbox"/> 545:	<u>Investext®</u>	3
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<input type="checkbox"/> 636:	<u>Gale Group Newsletter Database(TM)</u>	4
<input type="checkbox"/> 654:	<u>U.S. Patents Fulltext (1976-present)</u>	1000
<input type="checkbox"/> 764:	<u>BCC Market Research</u>	1

There are **50** databases matching your statement '**S (EUKARYOT? OR  
MAMMALI?)(5N)(PLASMID? OR EXPRESSION OR VECTOR? OR  
PCMV?)(30N)(SALMONELLA OR TYPHI?)**'.

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☐ 1: J Immunol. 1995 Oct 15;155(8):3987-93.

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## Cytotoxic T lymphocytes after oral immunization with attenuated vaccine strains of *Salmonella typhi* in humans.

Sztejn MB, Tanner MK, Polotsky Y, Orenstein JM, Levine MM.

Department of Pediatrics, University of Maryland School of Medicine, Baltimore 21201, USA.

Not only viruses, but certain parasites and bacteria as well, can elicit CTL involved in mediating protection. It has been surmised that CTL able to lyse *Salmonella typhi*-infected cells are likely to be important in protecting against typhi, an intracellular bacterial infection, but heretofore this has not been demonstrated. Consequently, the presence of CTL activity against *S. typhi*-infected cells was investigated in human volunteers immunized with attenuated vaccine strains of *S. typhi*. Oral immunization with *S. typhi* strain CVD 908 elicited circulating CTL effector cells capable of killing *S. typhi*-infected autologous EBV-transformed cells. CTL activity was observed after 6 to 8 days of in vitro expansion in the presence of *S. typhi*-infected autologous EBV-transformed cells. Maximum CTL activity was observed 29 days after immunization. Depletion of CD8<sup>+</sup> T cells eliminated or markedly reduced the CTL activity, while depletion of CD4<sup>+</sup> T cells did not affect CTL responses. CTL activity was blocked by mAbs to human class I MHC Ags, but not by mAb to class II MHC Ags. This first demonstration that oral immunization of volunteers with attenuated *S. typhi* elicits CD8<sup>+</sup> T cell, MHC class I-restricted CTL responses raises the possibility that CTL activity might play a significant role in protection during typhoid fever. It also encourages the future use of attenuated strains as liver vector vaccines to stimulate specific CTL against relevant foreign Ags.

PMID: 7561107 [PubMed - indexed for MEDLINE]

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